## PRESENT CLAIMS:

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1. (Previously presented) A method for transforming gene expression signals, the method comprising the steps of:

determining a plurality of gene expression signals for a gene; and

deriving a transformation that transforms the plurality of gene expression signals into transformed gene expression signals for the gene, resulting in a uniform distribution of the transformed gene expression signals within a selected interval wherein each gene expression signal is converted by the transformation into a transformed gene expression signal in the selected interval, and wherein the uniform distribution of transformed gene expression signals may be used to determine gene expression patterns.

- 2. (Original) The method of claim 1, further comprising the step of applying the transformation to an additional gene expression signal.
- 3. (Previously presented) The method of claim 1, wherein the step of deriving comprises the steps of:

determining a function that approximates a distribution of the plurality of gene expression signals for the gene; and

- 20 using the function to create the transformation.
  - 4. (Canceled)
  - 5. (Canceled)

6. (Canceled)

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	7.	(Canceled)	
	8.	(Canceled)	
5	9.	(Canceled)	
	10.	(Canceled)	
10	11.	(Canceled)	
	12.	(Canceled)	
15	13.	(Canceled)	
	14.	(Canceled)	
	15.	(Canceled)	
20	16.	(Canceled)	
20	17	(Previously presented) A system comprising:	
	17.	a memory that stores computer-readable code; and	
		a processor operatively coupled to the memory, the processor configured to	
	implement the	e computer-readable code, the computer-readable code configured to:	
25	p	determine a plurality of gene expression signals for a gene; and	
		derive a transformation that transforms the plurality of gene expression signals	
	into transform	ato transformed gene expression signals for the gene, resulting in a uniform distribution of	
	transformed gene expression signals within a selected interval wherein each gene expression		
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signal is converted by the transformation into a transformed gene expression signal in the selected interval, and wherein the uniform distribution of transformed gene expression signals may be used to determine gene expression patterns.

- 5 18. (Original) The system of claim 17, wherein the computer-readable code is further configured to apply the transformation to an additional gene expression signal.
  - 19. (Previously presented) The system of claim 17, wherein the computer-readable code is further configured, during the step of deriving, to perform the steps of:
  - determine a function that approximates a distribution of the plurality of gene expression signals for the gene; and

use the function to create the transformation.

20. (Canceled)

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- 21. (Canceled)
- 22. (Canceled)
- 20 23. (Previously presented) An article of manufacture comprising:

a computer readable medium having computer readable code means embodied thereon, the computer readable program code means comprising:

a step to determine a plurality of gene expression signals for a gene; and

a step to derive a transformation that transforms the plurality of gene expression signals into transformed gene expression signals for the gene, resulting in a uniform distribution of the transformed gene expression signals within a selected interval wherein each gene expression signal is converted by the transformation into a transformed gene expression signal in

the selected interval, and wherein the uniform distribution of transformed gene expression signals may be used to determine gene expression patterns.

- 24. (Original) The article of manufacture of claim 23, wherein the computer-readable code means further comprises a step to apply the transformation to an additional gene expression signal.
  - 25. (Previously presented) The article of manufacture of claim 23, wherein the computer-readable code means is further configured, during the step of deriving, to perform:
  - a step to determine a function that approximates a distribution of the plurality of gene expression signals for the gene; and

a step to use the function to create the transformation.

26. (Canceled)

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- 27. (Canceled)
- 28. (Canceled)
- 20 29. (Previously presented) The method of claim 1, wherein the selected interval comprises an interval between 0 and 1.